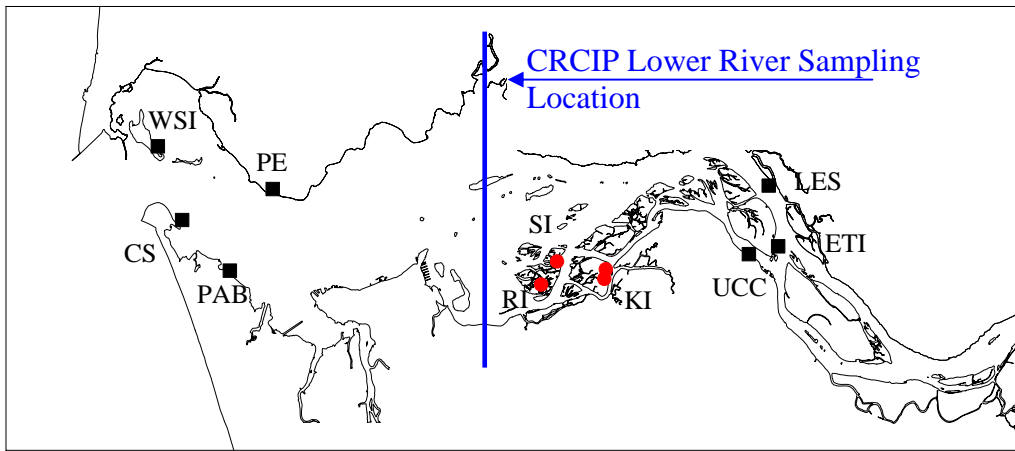


| EEA Number | Indicator | Monitoring Task | Justification | Duration | Data Analysis | Management Decision |
|------------|--|---|--|--|---|---|
| EEA 1 | Tidal Marsh and Swamp Habitat, Shallow Water and Flats Habitat, Water Column Habitat | Add one or two additional transects in different habitat types similar to those being done for the NMFS studies currently under way with AFEP | Provide additional habitat and salmonid distribution information for the estuary. Useful in establishing inventory information for future monitoring or restoration. | Begin before construction and for 3 years after completion of the project. | Record value and use of different habitat types for juvenile salmonids and cutthroat trout. | Determine if task should continue and what funding source is appropriate. |

Description: The Corps will add one or two sampling areas to the existing AFEP Habitat study being done in the estuary (see map of stations below). Sampling in these areas will further our understanding of how juvenile salmon use the estuary and freshwater areas. NOAA Fisheries and the Corps are currently evaluating potential locations for these sampling areas.

Schedule: Sampling began in the summer of 2003 and will be repeated for three years post construction. The lower river location is shown below and the upriver site will be in the riverine section up river of the estuary for three years after construction (after construction of entire project).

AFEP and CRCIP Study Sampling Locations.



Beach seine (squares) and trap net (circles) sampling sites. WSI, West Sand Island. PE, Pt. Elase, CS, Clatsop Spit; PAB, Pt. Adams Beach; SI, Seal Island; KI, Karlson Island, RI, Russian Island; LES, Lower Elochman Slough; ETI, East Tenasillahe Island;, UCC, Upper Clifton Channel

Status: Lower river sites began sampling late in 2003 and will be continued through 2004 (to complete the one year effort). An appropriate upriver site has been identified by

NOAA Fisheries. If a contractor can be identified by April 2004, sampling will commence at the upriver site. If a contractor can not be identified, this decision will be reexamined by the AMT.